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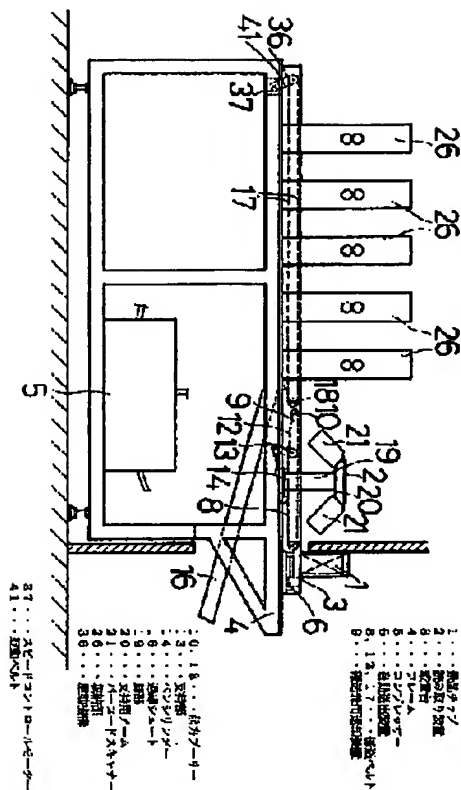
Summary

(57) [Abstract] (*****)

[Objects of the Invention] In an amusement center, it is related with the exchanged automatic purchase equipments of a premium chip, such as a premium ball.

[Elements of the Invention] The sending-out equipment 6 which the 1st invention accumulates at random the premium chip 1 with which registration processing was performed beforehand, and is sent out to a ***** automatic target, A reader 2, premium chip return equipment 9, and two conveyance belts 8, 12, and 17, stopper equipment and the upper part -- it pushes up and equipment is made into one group, and to have connected the stowage 26 with receipt equipment, press equipment, and each [these] equipment to the upper part section of these groups, and amount-of-money expenditure equipment was made to connect to a controller further The 2nd invention distinguished and stopped the automatic sending-out equipment 6 of the premium chip 1, a reader 2, return equipment 9, amount-of-money expenditure equipment, and each premium chip 1 for every plurality, and made the mechanism contained to each stowage corresponding to each premium chip 1 connect to a controller.

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CLAIMS

[Claim(s)]

[Claim 1] Send out the premium chip with which registration processing accumulated at random was performed through automatic send equipment, and, putting the chip which sent out on a conveyance belt Make it read with the readers (bar code scanner etc.) of wearing in the middle of this belt. Make ***** information input into a controller (CPU), and the premium chip with which a premium chip without another side reading *****, a non-registered premium chip, or permission

is not made is returned to a customer side with conveyance combination return equipment. After being read by the aforementioned reader and inputted into a ** controller (CPU), the bill payment equipment and coin payment equipment linked to the controller (CPU) are operated. While making it the bill and coin corresponding to the total amount to which the premium chip which has predetermined value was added pay out Predetermined value which was furthermore conveyed by conveyance combination return equipment, and has been conveyed with the following two conveyance belts (for example, 1,000 yen) Equip the upper part section of two conveyance belts with two or more stowages in which the premium chip for every kind which has 500 yen and 100 yen is held every predetermined interval, and they are made into the lower part section of each stowage. So that it may be located below and conveyance of a premium chip may not be blocked from the hair side of belt side of two ** Connect with a controller and it equips with a stopper above the solenoid which operates. Push up above this PENSIRINDA and a board is attached. the aforementioned solenoid and PENSIRINDA — connecting — ** — If there are instructions from a controller, attachment will push up to an aforementioned stopper and aforementioned PENSIRINDA, and a board will go up more nearly up than a hair side of belt side. After making a premium chip push up and contain at the time of a rise and completing receipt operation, the premium chip which descends in a position lower than a belt pushes up a stopper and PENSIRINDA, and they equip with two or more equipments. The stop of each premium chip with which value differs automatic division operation of the above-mentioned premium chip through a controller (CPU), Operate by pushing up and after receipt of the premium chip to ***** circles descends in a position lower than a belt. Conveyance of the premium chip of the consecutiveness sent out with a conveyance belt as it is smooth Nothing. When a premium chip becomes the specified quantity in a stowage by the further above-mentioned operation The push out cylinder linked to the controller (CPU) which attached the press board of the same grade as the height of a stowage in one lateral portion of a stowage Only predetermined length is made to move reciprocally and the premium chip in a stowage is automatically discharged from a stowage. the inside of a stowage Empty and nothing, Automatic purchase equipment of the premium chip characterized by attachment making a new premium chip a stopper with a solenoid, and a cylinder, making it a predetermined stowage through a board, and making it make it contain it again.

[Claim 2] Send out the premium chip with which registration accumulated at random was given, send out through equipment, and the sent-out chip, being put on a conveyance belt It is read by the readers (bar code scanner etc.) of wearing in the middle of this belt. Make ***** information input into a controller (CPU), and the premium chip with which a premium chip without another side reading ***** a non-registered premium chip, or permission is not made is detected by the passage sensor linked to a controller. The branching shutter which operates the branching operation solenoid which will have been connected with the controller if

detected, and operates in proportion to this solenoid is made to descend. Guide the premium chip which is going to move forward to a return chute of return equipment, and it returns to a customer side. After being read by the further aforementioned reader and inputted into a ** controller (CPU), the bill payment equipment and coin payment equipment linked to the controller (CPU) are operated. While making it the bill and coin corresponding to the total amount to which the premium chip which has predetermined value was added pay out Predetermined value which was furthermore read by the reader and has been conveyed with the conveyance belt (for example, 1,000 yen) You make it detect by the passage sensor which has received instructions so that the premium chip for every kind which has the predetermined value of connecting with a controller (CPU) the premium chip for every kind which has 500 yen and 100 yen may be detected. The predetermined branching operation solenoid which will have been connected to a controller (CPU) if it detects works. While the branching shutter of wearing in the predetermined part which operates in proportion to a ***** solenoid descends simultaneously, changing the conveyance direction of a premium chip and carrying out fall receipt into a predetermined stowage If a premium chip is contained in a stowage, the aforementioned shutter will go up by the operation of a branching operation solenoid. conveyance of a consecutive premium chip as it is smooth Nothing, Automatic purchase equipment of the premium chip characterized by processing the detection of each premium chip and change of the conveyance direction from which value differs the above-mentioned operation by the passage sensor, and an aforementioned solenoid and an aforementioned shutter.

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DETAILED DESCRIPTION

[Detailed Description of the Invention]

[0001]

[Industrial Application] this invention relates to the field of the automatic purchase

equipment of a premium chip exchanged for the premium ball etc. in the amusement center.

[0002]

[Description of the Prior Art] While making the amount of liquidation corresponding to worth of the premium chip which the automatic purchase equipment of the conventional premium chip supplied the premium chip with which information was recorded, read the information with the reader, was made to read it with a central processing unit (CPU) further, and was read emit from a dispenser, division processing of the purchased premium was processed by the handicraft.

[0003]

[Problem(s) to be Solved by the Invention] It was the thing of a grade which supplied the premium chip by the handicraft in the division stowage, and the reader was made to read the information which a premium chip holds at the time of an injection as an art of an automatic purchase of the conventional premium chip and the purchased premium chip, and was made to read into CPU further and which back-converts into money.

[0004] however, the premium chip with which this invention was accumulated at random — one-piece ** — while it is sent out automatically quickly and only the premium chip with which the sent-out premium chip was automatically read, and truth was discriminated and read moreover pays out automatically the amount of liquidation corresponding to worth of a premium chip certainly [0005] As the premium chip it is furthermore discriminated and you were made to convey is automatically classified for every kind of the, it times automation and speeding up of classification work.

[0006]

[Means for Solving the Problem] this invention sends out the premium chip with which registration processing accumulated at random was performed through automatic send equipment, and, putting the chip which sent out on a conveyance belt Make it read with the readers (bar code scanner etc.) of wearing in the middle of this belt. ***** information is made to input into a controller (CPU), and the premium chip with which a premium chip without another side reading *****, a non-registered premium chip, or permission is not made is returned to a customer side with conveyance combination return equipment. [0007] After being read by the aforementioned reader and inputted into a ** controller (CPU), while making it the bill and coin corresponding to the total amount to which the premium chip which operates the bill payment equipment and coin payment equipment linked to the controller (CPU), and has predetermined value was added pay out [0008]

Predetermined value which was furthermore conveyed by conveyance combination return equipment, and has been conveyed with the following two conveyance belts (for example, 1,000 yen) Equip the upper part section of two conveyance belts with two or more stowages in which the premium chip for every kind which has 500 yen and 100 yen is held every predetermined interval, and they are made into the lower

part section of each stowage. So that it may be located below and conveyance of a premium chip may not be blocked from the hair side of belt side of two ** Connect with a controller and it equips with a stopper above the solenoid which operates. Push up above this PENSIRINDA and a board is attached. the aforementioned solenoid and PENSIRINDA — connecting — ** — If there are instructions from a controller, attachment will push up to an aforementioned stopper and aforementioned PENSIRINDA, and a board will go up more nearly up than a hair side of belt side. After making a premium chip push up and contain at the time of a rise and completing receipt operation, the premium chip which descends in a position lower than a belt pushes up a stopper and PENSIRINDA, and they equip with two or more equipments, and it is [0009]. It is nothing that it is smooth about conveyance of the premium chip of the consecutiveness which it operates by pushing up automatic division operation of the above-mentioned premium chip with the stop of each premium chip with which value differs through a controller (CPU), and after receipt of the premium chip to ***** circles descends in a position lower than a belt, and is sent out with a conveyance belt. [0010] When a premium chip becomes the specified quantity in a stowage by the further above-mentioned operation The push out cylinder linked to the controller (CPU) which attached the press board of the same grade as the height of a stowage in one lateral portion of a stowage Only predetermined length is made to move reciprocally, the premium chip in a stowage is automatically discharged from a stowage, attachment of empty, nothing, and an again new premium chip in a predetermined stowage in a stopper with a solenoid and a cylinder pushes up the inside of a stowage, and it pushes up through a board, and is made to make it contain.

[0011] Moreover, send out the premium chip with which registration accumulated at random was given, send out through equipment, and the sent-out chip, being put on a conveyance belt It is read by the readers (bar code scanner etc.) of wearing in the middle of this belt. Make ***** information input into a controller (CPU), and the premium chip with which a premium chip without another side reading ***** , a non-registered premium chip, or permission is not made is detected by the passage sensor linked to a controller. When detected, the branching shutter which operates the branching operation solenoid linked to the controller, and operates in proportion to this solenoid is made to descend, the premium chip which is going to move forward is guided to a return chute of return equipment, and it returns to a customer side. [0012] After being read by the further aforementioned reader and inputted into a ** controller (CPU), while making it the bill and coin corresponding to the total amount to which the premium chip which operates the bill payment equipment and coin payment equipment linked to the controller (CPU), and has predetermined value was added pay out [0013] Predetermined value which was furthermore read by the reader and has been conveyed with the conveyance belt (for example, 1,000 yen) You make it detect by the passage sensor which has received instructions so that the premium chip for every kind which has the

predetermined value of connecting with a controller (CPU) the premium chip for every kind which has 500 yen and 100 yen may be detected. The predetermined branching operation solenoid which will have been connected to a controller (CPU) if it detects works. While the branching shutter of wearing in the predetermined part which operates in proportion to a ***** solenoid descends simultaneously, changing the conveyance direction of a premium chip and carrying out fall receipt into a predetermined stowage. When a premium chip is contained in a stowage, the aforementioned shutter goes up by the operation of a branching operation solenoid, and it is nothing about conveyance of a consecutive premium chip that it is smooth.

[0014] It is automatic purchase equipment of the premium chip characterized by processing the detection of each premium chip and change of the conveyance direction from which value differs the above-mentioned operation by the passage sensor, and an aforementioned solenoid and an aforementioned shutter.

[0015]

[Function] When an operation of this invention is explained from invention of the 1st of a claim 1, it is as follows.

[0016] A premium chip is accumulated on the predetermined part of an installation base at random. the sending-out mechanical component which constitutes the chip automatic sending-out equipment with which the chip located in the method of the lowest in the premium chip accumulated at random uses the one cycle motor of wearing for the lower part of an installation base -- ***** -- it is sent out certainly. The upper surface of the send section which constitutes this sending-out mechanical component is subject [to being located caudad a little] rather than the upper surface of a premium chip. The premium chip sent out by the above-mentioned means is conveyed with a conveyance belt, and the predetermined information registered into the premium chip by the readers (bar code scanner etc.) with which the belt upper part in the middle of conveyance is equipped is read. When the information registered into the premium chip in that case is not registered into a store side, Even if registered, when use is not permitted, and when it is not able to read further, the premium chip under conveyance presupposes that reading is impossible, PENSIRINDA with a sensor simultaneously connected with the controller makes it operate, and it is discharged by the inclination of the slider simultaneously connected with PENSIRINDA to a return chute, and is returned to a customer side.

[0017] If the premium chip as mentioned above which cannot be read is returned, a slider will be restored to a level state and conveyance processing of a premium chip in which consecutiveness was read will be made.

[0018] Still as mentioned above, although a premium chip is gradually sent out by the sending-out mechanical component at a predetermined speed and is read by the reader, it is inputted into the controller (CPU) linked to the aforementioned equipment. And data processing of the information on a premium chip that value differs is carried out, the expenditure equipment of the bill and coin linked to the

controller is made to operate, and the bill and coin of amount corresponding to the total amount by which data processing was made pay out a customer side. And the information on the amount of money paid out with above expenditure equipment is processed by the controller.

[0019] Next, it is read as mentioned above and the premium chip which has the predetermined value conveyed by the slider which is conveyance combination return equipment is conveyed with two conveyance belts which have the predetermined interval with which it equips zero times ahead of the slider of the aforementioned equipment.

[0020] And when are read by the reader and the lower part section of a stowage corresponding to the predetermined value which a premium chip has is reached, it is. It connects with the controller with which it has equipped under this ****, and PENSIRINDA connected with a solenoid simultaneously with a stop is made to jump out, simultaneous arrival pushes up, and the stopper of wearing above the solenoid which operates pushes up the aforementioned chip in a stowage through a board, and makes it to elutriate from between two belts, to make a premium chip stop and contain certainly by the instructions from a controller. It has the function in which the flat spring with which it equips down the stowage in that case pushes up receipt of the premium chip pushed up very smoothly.

[0021] If it pushes up as mentioned above and a board reaches predetermined height, it will descend immediately and a stopper and PENSIRINDA will descend from the position of a belt to a low position. Therefore, advance of the premium chip with which consecutiveness has been conveyed pushes up with a stopper, and being blocked by the board **** does not carry out.

[0022] Moreover, in this invention, it is read, and even if the premium chip inputted by the ** controller is conveyed continuously, it is read into a controller of which position the premium chip currently conveyed is contained by the stowage, and the stopper and PENSIRINDA which are in the low rank of a predetermined stowage by the instructions from a controller operate further. Therefore, only the premium chip corresponding to it is certainly contained by the predetermined stowage.

[0023] When a premium chip comes in a stowage as mentioned above in this invention, one lateral portion of a stowage is equipped with a press board of the same grade as the height of a stowage, this press board is equipped with the push out cylinder linked to the controller, and the aforementioned chip is made to discharge from a stowage by making this cylinder move reciprocally further furthermore. Therefore, a premium chip comes in a stowage and a consecutive premium chip can be contained.

[0024] An operation of the 2nd invention indicated to the claim 2 is explained.

[0025] It is the same as invention of the aforementioned claim 1 to accumulate a premium chip on the predetermined part of an installation base at random and to send out this chip by the sending-out mechanical component which constitutes automatic sending-out equipment. And the sent-out premium chip is conveyed with

a conveyance belt, and the predetermined information registered into the premium chip by the readers (bar code scanner etc.) with which the belt upper part in the middle of conveyance is equipped is read. When the information registered into the premium chip in that case is not registered into a store side, Even if registered, when use is not permitted, or when it is not able to read Carry out to the ability of the premium chip under conveyance not to be read, and it is detected by the passage sensor simultaneously connected with the controller. When detected, the branching shutter which operates the branching operation solenoid linked to the controller, and operates in proportion to this solenoid is made to descend, the premium chip which is going to move forward is guided to a return chute, and it is returned to a customer side.

[0026] The premium chip as mentioned above which cannot be read is returned, and the premium chip with which consecutiveness was read is conveyed.

[0027] Still as mentioned above, although a premium chip is gradually sent out at a predetermined speed by the sending-out driving gear and is read by the reader, it is inputted into the controller (CPU) linked to the aforementioned equipment. And calculate the premium chip with which value differs, it makes the expenditure equipment of the bill and coin linked to the controller operate, and the bill and coin of amount corresponding to the calculated total amount pay out it to a customer side. And the information on the amount of money paid out with above expenditure equipment is processed by the controller.

[0028] The premium chip which has the predetermined value read as mentioned above next is conveyed with a belt. And the passage sensor of the part corresponding to the premium chip for every kind which has the predetermined value linked to a controller (CPU) The predetermined branching operation solenoid which will have been connected to a controller (CPU) if passage is made to detect and it detects operates. While a branching shutter descends to wearing simultaneously, changing the conveyance direction of a premium chip into the predetermined part which operates in proportion to a ***** solenoid and carrying out fall receipt into a predetermined stowage When a premium chip is contained in a stowage, the aforementioned shutter goes up by the operation of a branching operation solenoid, and a consecutive premium chip is made to convey smoothly.

[0029] As mentioned above, when it reads through a reader in this invention, the premium chip which inputs into a controller and is conveyed with the conveyance belt is the thing of what position. If the passage sensor is ordered a certain thing and a predetermined premium chip passes a predetermined passage sensor, a branching operation solenoid is operated immediately, a ***** shutter is descended, and the point of making a predetermined stowage containing a premium chip is remarkably different from invention according to claim 1.

[0030]

[Example] if the example of this invention is explained — invention of a claim 1 — said — since there is also a common part, invention of 2 is explained collectively

[0031] 1 is a premium chip and adds two defined beforehand and the number which is not to the premium chip 1. Once the premium chip 1 of this invention is read by the reader 2 by the bar code scanner etc., it will be made to be not possible [use of it] on the problem on management in principle. Therefore, what is necessary is to adopt a license system and just to input that into the controller 15 by the side of a store, when carrying out the reuse of what was read at once. Moreover, if a store side makes it permission, it can be used any number of times and these will be important as the administration by the side of a store. Since what furthermore is not permitted cannot read a reader 2 even if it is sent out by automatic sending-out equipment, it is returned to a customer. Moreover, since a reader 2 cannot read the non-registered premium chip 1, either, it is returned. Furthermore it reads and, of course, a impossible thing is also returned.

[0032] 3 is the installation base which formed the premium chip 1 in the edge of the frame 4 accumulated at random, and it is made for the send section 7 which constitutes the automatic sending-out equipment 6 of the premium chip 1 linked to a compressor 5 down this installation base 3 to be located. And it equips with this send section 7 as the upper surface is located below a little rather than the upper surface of the premium chip 1. 8 is a conveyance belt which conveys the sent-out premium chip 1, and is comparatively short. The upper part section of the conveyance belt 8 is equipped with the reader 2 which consists of a bar code reader etc. in the middle of this belt 8, and the conveyed premium chip 1 is read. 9 is conveyance combination return equipment for sending out the premium chip 1 which made it the same height as the aforementioned belt 8, and has been conveyed with the ***** belt 8. The conveyance belt which used as the back pulley the front pulley from which 10 constitutes this equipment 9, and 11, and used the suspension of 12 to both the pulleys 10 and 11, the supporter with which 13 supports both the pulleys 10 and 11, and 14 are PENSIRINDA with a sensor linked to the edge of a supporter 13. And PENSIRINDA 14 has connected with a controller 15. If this conveyance combination return equipment 9 have instructions in a controller 15 as what be read when locate in a level state , PENSIRINDA 14 with a sensor linked to the controller 15 operate , and it use the back pulley 11 as the supporting point , make the front section incline like drawing illustration of the conveyance belt 12 , move the premium chip 1 locate on the conveyance belt 12 to return chute 16 , and will return to a customer side . If the premium chip 1 is discharged as mentioned above, the premium chip 1 with which the belt 12 reverted in the shape of level, it waited for this restoration, and consecutiveness was immediately read by aforementioned PENSIRINDA 14 will pass the conveyance belt 12, and will be sent to the conveyance belt 17 which ****(ed) to the front pulley 18. This belt 17 prepares a predetermined interval and is set up. The leg to which 19 supports a reader 2, and 20 are the arms for support of a bar code scanner 21.

[0033] 22 is a solenoid which connects with the controller 15 with which it is equipped under the belt 17, and operates, and equips with the stopper 23 which has

the function which prevents advance of the premium chip 1 with which the predetermined number which elutriated from between two belts 17 above this solenoid 22, and has been conveyed with the conveyance belt 17 is added. Therefore, since it makes it read into a controller 15 that the above-mentioned premium chip 1 is the thing of the sign of what No. when it is made to read with a reader 2 and the above-mentioned solenoid 22 is further connected to the controller 15, the solenoid 22 of wearing of other parts does not operate.

[0034] 24 is PENSIRINDA which is located under the two belts 17, connects with a solenoid 22, and carries out the same operation as the operation of a solenoid 22. and -- the upper part of PENSIRINDA 24 -- the premium chip 1 and parallel -- carrying out -- ** -- it operates perpendicularly -- it pushes up and a board 25 is attached

[0035] A solenoid 22, an above-mentioned stopper 23, and above-mentioned PENSIRINDA 24 serve as a group, therefore set a predetermined interval in this invention, and install them. [two or more] 26 is located above the above-mentioned group and is the stowage installed in the position which the premium chip 1 by which the ** stop was carried out can contain certainly. In this stowage 26, it has the structure where the premium chip 1 is accumulated. Therefore, the cross-section section in soffit opening [External Character 1]

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The flat-spring section 27 of a configuration is attached. That it is a slightly larger configuration than the periphery edge of the premium chip 1 which the opening 28 of the soffit section pushed up and was pushed up with the board 25, and when this flat-spring section 27 is gradually narrowed as it went more nearly up than opening 28, it becomes with aperture **** a little, and makes a rise of the premium chip 1 smooth. And since the configuration of the flat-spring section 27 serves as the installation section [a little] 29 smaller than the size of the ***** chip 1 by the shape of level in the upper part, the premium chip 1 pushed up can be laid smoothly. If it pushes up, and is pushed up with a board 25 and a premium chip comes in a stowage 26, it is the mechanism automatically extruded outside the side of a stowage 26. A postscript is carried out about the concrete example.

[0036] And unify a stowage 26 for every premium chip which has the same value, enable it to contain it in the premium chip 1 with which value differs, it is made to correspond with the group which consist of a solenoid 22, an above-mentioned stopper 23, and above-mentioned PENSIRINDA 24, and is installed.

[0037] 30 is the press section which made **** of the premium chip 1 contained by the side wall surface section 31 besides a stowage 26 on the spring hinge 32 prevent. 33 is the arrangement table of the same flat side as a stowage 26.

[0038] 34 is a push out cylinder which will operate if it connects with the controller 15 which attached the press board 35 of the same grade as the height of a stowage 26 in one lateral portion of the above-mentioned stowage 26 and the premium chip 1

fills in a stowage 26. This cylinder 34 is set so that it may return, when the premium chip 1 overflows from a stowage 26. **** which made the block 40 which the drive with which 36 drives two conveyance belts 17, the speed-control motor by which 37 constitutes this mechanism, and 38 rotate a block, and 39 makes rotate a belt 17 fix to revolve, and 41 are the driving belts ***** used as block 40' of the same axle, and the block 38 at **** 39.

[0039] It is as follows when the example of the 2nd invention according to claim 2 is explained below.

[0040] The premium chip 1 of using what added numbers, such as two and a number which is not, in this invention is the same as that of invention of a claim 1, and uses what also has the still the same reader 2. And since the premium chip 1 was processed with the same means as the automatic sending-out equipment 6 of the aforementioned invention about transmitting mechanism, it omitted on the drawing.

[0041] However, one conveyance belt 44 is used for the conveyance belt of the premium chip 1 sent out from automatic sending-out equipment, without using three conveyance belts like the aforementioned invention. It omits about the detail of the drive of this belt 44. If the premium chip 1 sent out from automatic sending-out equipment is sent out with the conveyance belt 44, it will be read that it is what No. sign and it will be inputted into a controller 15 by the reader 2 with which it is equipped on the way. And since it was the same as the case of the aforementioned invention, the expenditure means of the bill after reading of the premium chip 1 or coin was omitted. In addition, since the problem of management was also the completely same treatment as the case of the aforementioned invention, explanation was omitted.

[0042] However, that this invention is different from the aforementioned invention is the point that the composition of the return mechanism in which the premium chip with which the premium chip, the non-registered premium chip, or permission which was not read is not made is returned to a visitor side is different.

[0043] When it explains per the composition, the solenoid which equipped the conveyer frame 46 with 45 and has been connected with the ** controller 15, and 47 are arms which the end section has pasted up with the solenoid 45. 48 is the guide section set up on the conveyer frame 46, and is attached in the right-and-left both-sides edge section of the conveyer frame 46 which counters. The pivot which sets up 49 inside a guide 48, and 50 were located above the conveyance belt 44, if it descends, it will be the supporter which supports the branching shutter 51 attained to near the front face of a belt 44, and this supporter 50 will be pasted up with the other end of an arm 47. And the guide lever 53 is penetrated to a supporter 50, and the both ends of the guide lever 53 are penetrated in the shape of a right angle to the guide section 48.

[0044] In the invention in this application, a predetermined interval is kept and two or more branching shutter 51 grades which equipped with the branching operation solenoid 45 as above-mentioned are installed.

[0045] 54 is the passage sensor with which it equipped just before each branching shutter 51. This sensor 54 is connected to the controller 15 linked to the reader 2. Then, if the premium chip 1 is not read even for a time and directions will be received, this sensor 54 operates, will operate the branching solenoid 45 linked to this sensor 54, the branching shutter 51 linked to this solenoid 45 will be made to descend, and it will put on the root which returns the premium chip 1 under conveyance to a visitor side. However, when the premium chip 1 is read, the passage sensor 54 of the predetermined part corresponding to this premium chip 1 receives instructions from a controller 15, branching operation solenoid 45 and branching shutter 51 and others which have been immediately connected with the aforementioned sensor 54 are operated, the aforementioned shutter 51 is descended, and the premium chip 1 is made to fall in the predetermined stowage 55.

[0046] As mentioned above, if passage of the premium chip 1 which was not read or the read premium chip 1 is processed certainly, it will restore immediately and each branching shutter 51 will not block passage of the consecutive premium chip 1. 56 is a return chute of the premium chip 1.

[0047] In addition, the bill used in the amount-of-money expenditure equipment 57 of this invention is made into three kinds, 10,000 yen, 5,000 yen, and 1,000 yen, and coin is made into two kinds, 500 yen and 100 yen.

[0048]

[Effect] The effect taken below is done so about the 1st invention and the 2nd invention.

[0049] Only by accumulating on the send equipment which constitutes premium automatic purchase equipment for the premium chip exchanged for awarded balls etc. at random in the 1st invention A premium chip is sent automatically and existence, such as registration un-registering, is read for a chip through a reader. Make it input into a controller furthermore, and all premium chips are sent out and the expenditure equipment of the bill and coin which were made to carry out data processing by the controller, and have connected the premium chip to have been read with the controller is minded. It was made for the amount of money of the frame corresponding to the read premium card to pay out. Therefore, the purchase of a premium has the advantage made very smoothly.

[0050] Since it furthermore equipped with the conveyance combination return mechanism just before the reader in the case of this invention, without [the] carrying out **** conveyance, the premium chip which cannot be read falls and is smoothly returned to a visitor side.

[0051] Moreover, in this invention, a predetermined interval is prepared, two conveyance belts are installed just before the aforementioned conveyance combination return mechanism, and it is made the upper part section of the aforementioned belt. The solenoid which installs the stowage of a predetermined premium chip every ***** interval, connects with a controller and operates from the gap section of two belts of the lower part of each stowage further, It equips with

the stopper which operates simultaneously with each solenoid above each solenoid. If a premium is made to stop and it is made to stop with the solenoid and stopper of a part which balance worth of a premium chip in the premium chip conveyed at high speed with the conveyance belt Since attachment above PENSIRINDA linked to a solenoid pushes up to the **** upper part, a premium chip is pushed up through a board and it was made to make it contain in the aforementioned stowage The work which the premium sent out at random is automatically classified for every kind of the, therefore is classified artificially was able to be made to cancel.

[0052] When pressed the premium chip from the side, it moved onto the table board of an opposite side, and the inside of each stowage was emptied, when the press board was attached in the push out cylinder which connects with a controller at one lateral portion of each stowage and the premium chip came in each stowage, and only fixed length exercised, it was made to restore by this invention furthermore. Therefore, the premium chip stored in each stowage is moved certainly automatically, and artificial work is made to cancel.

[0053] Furthermore by the 2nd invention, the upper part section of the conveyance belt of a premium chip is first equipped with a reader. subsequently A passage sensor, The branching shutter which operates in proportion to the branching solenoid linked to a controller and this solenoid is made into one group. The upper part section of a belt is made to equip with these groups every predetermined interval, and the first group makes the premium chip which was not able to be read the group returned to a visitor side. other groups Conveyance is stopped and it was made to make it fall in a stowage according to the kind into which the premium chip is registered. Therefore, while containing only a premium chip of the same kind to a predetermined stowage certainly and making artificial division work cancel, it has the advantage which the amount of money of the frame corresponding to the premium card read through the expenditure equipment of the bill and coin which were made to carry out data processing by the controller, and have connected the premium chip to have been read with the controller paid out.

[Translation done.]

* NOTICES *

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- 2.**** shows the word which can not be translated.
- 3.In the drawings, any words are not translated.

DESCRIPTION OF DRAWINGS

[Brief Description of the Drawings]

[Drawing 1] a part of inside of the automatic purchase equipment of this invention premium chip, and important section of the 1st invention — it is a notch vertical section side elevation

[Drawing 2] said — some automatic sending-out equipments which send out a premium chip during the 1st and 2nd invention — it is a notch enlarged vertical longitudinal sectional view

[Drawing 3] some premium chip automatic sending-out equipments of drawing 2 — it is notch vertical section front view

[Drawing 4] some premium chip automatic sending-out equipments of drawing 3 — it is a notch plan

[Drawing 5] the important section of this 1st invention is shown — it is a notch enlarged vertical longitudinal sectional view in part

[Drawing 6] some readers of a premium chip — it is notch vertical section front view

[Drawing 7] a part of important section of the 1st invention — it is a notch plan

[Drawing 8] a stowage is made to push up and contain the stowage which classified and contains the premium chip which constitutes this 1st invention, and this chip — pushing up — some equipments — it is a notch side elevation

[Drawing 9] the important section of the 1st invention is shown — it is a notch plan in part

[Drawing 10] a part of drawing 9 — it is a notch expansion plan

[Drawing 11] a part of drawing 10 — it is a notch expansion side elevation

[Drawing 12] a part of mechanical component which drives the conveyance belt of the front line — it is notch expansion front view

[Drawing 13] a part of drawing 12 — it is a notch expansion side elevation

[Drawing 14] a part of 2nd invention — it is a notch side elevation

[Drawing 15] it can set to drawing 14 — it is a notch plan in part

[Drawing 16] a part of important section in drawing 14 — it is a notch expansion plan

[Drawing 17] It is the side elevation of the important section in drawing 16 .

[Drawing 18] the important section of the premium chip purchase equipment in the 1st invention and the 2nd invention is shown — it is a notch slant-face view in part

[Drawing 19] It is the block diagram showing the important section of drawing 18 .

[Description of Notations]

1 ... Premium chip 2 ... Reader 3 ... Installation base

4 ... Frame 5 ... Compressor 6 ... Automatic sending-out equipment

7 ... Send section 8, 12, 17, 44 ... Conveyance belt

9 ... Conveyance combination return equipment 10 18 ... Front pulley

11 ... Back pulley 13 ... Supporter
14 24 ... PENSIRINDA 15 ... Controller
16 56 ... Return chute 19 ... Leg 20 ... Arm for support
21 ... Bar code scanner 22 45 ... Solenoid
23 ... Stopper 25 ... It pushes up and is a board. 26 55 ... Stowage
27 ... Flat-spring section 28 ... Opening 29 ... Installation section
30 ... the press section 31 — the side wall surface section besides ... 32 ... spring
ginglymus
33 ... Arrangement table 34 ... Push out cylinder
35 ... Press board 36 ... Drive
37 ... Speed-control motor 38, 40, 40' ... Block
39 ... Axostyle 41 ... Driving belt 46 ... Conveyer frame
47 ... Arm 48 ... Guide section 49 ... Pivot
50 ... Supporter 51 ... Branching shutter 53 ... Guide lever
54 ... Passage sensor 57 ... Amount-of-money expenditure equipment

[Translation done.]

*** NOTICES ***

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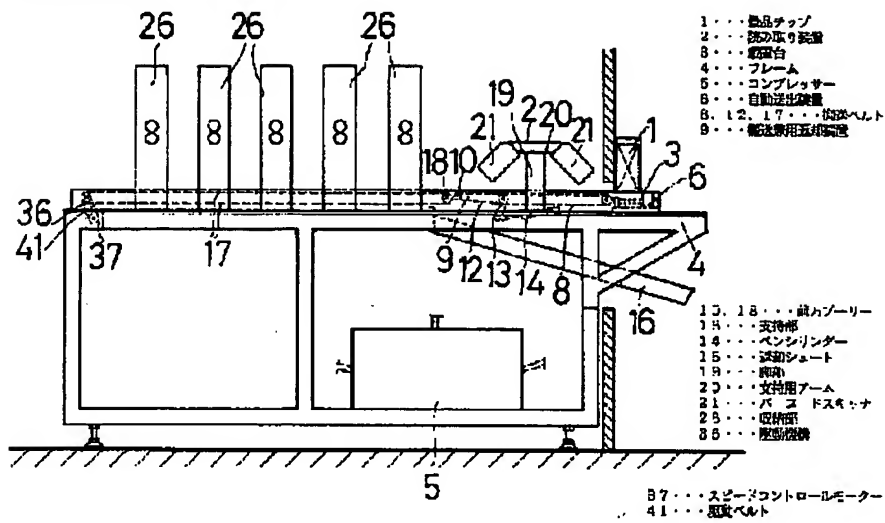
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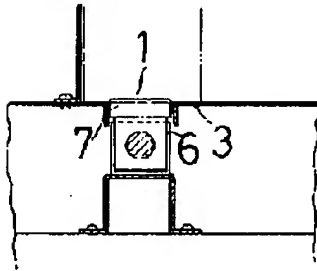
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DRAWINGS

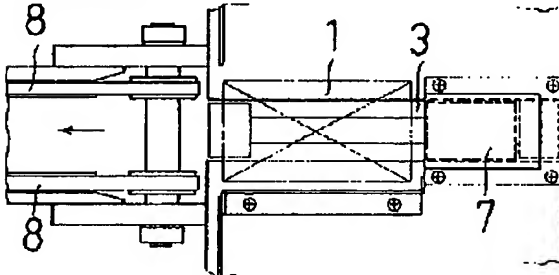
[Drawing 1]



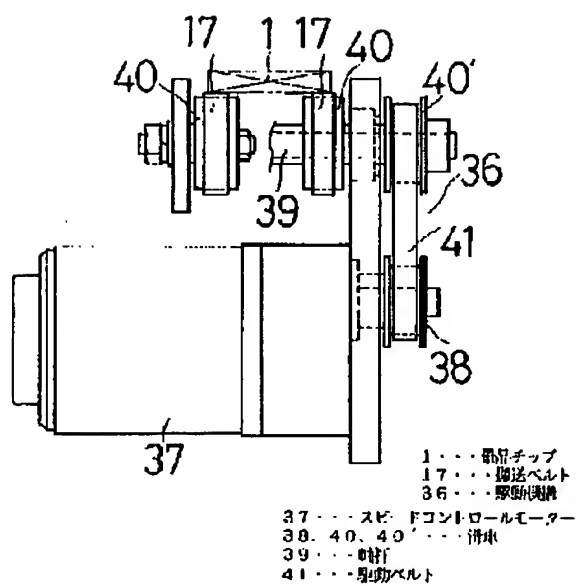
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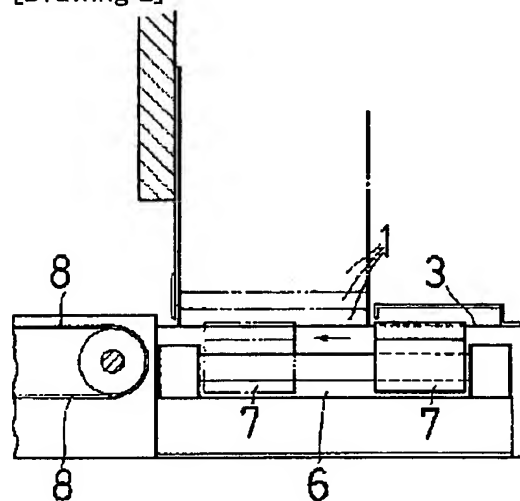
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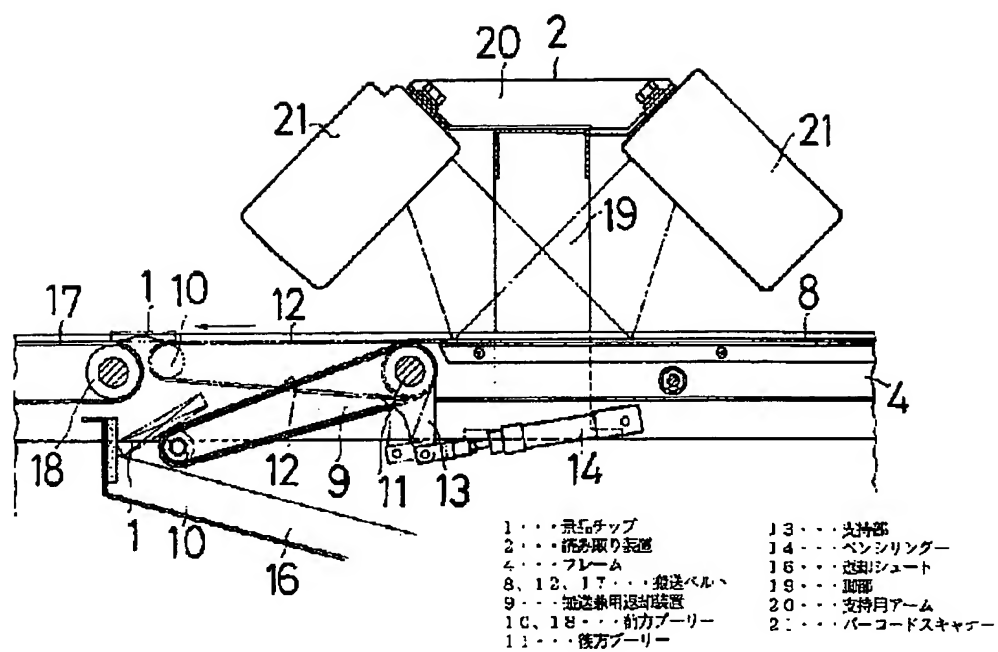
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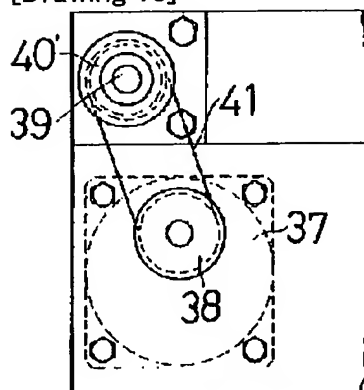
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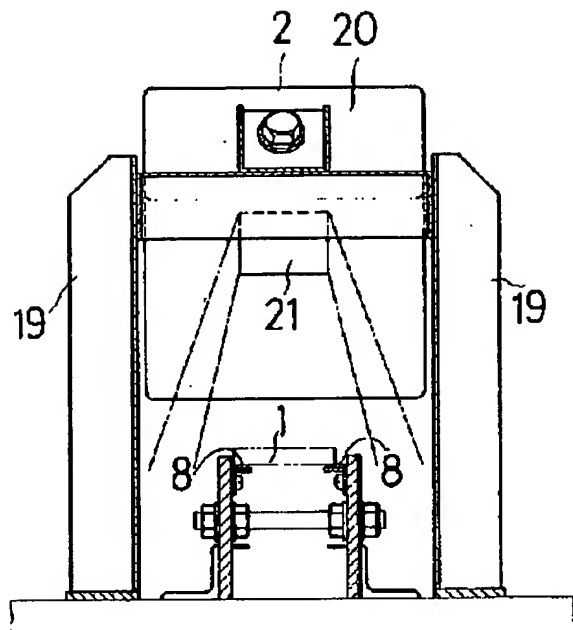
[Drawing 5]



[Drawing 13]

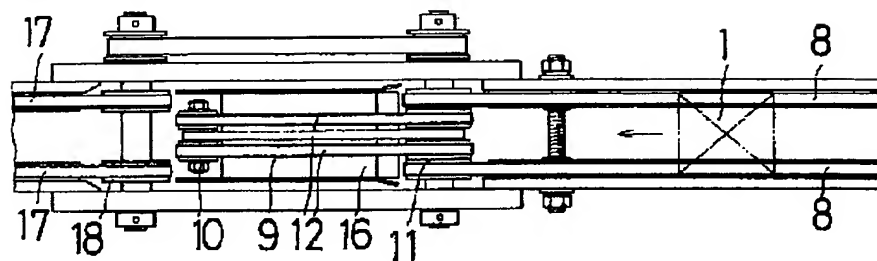


[Drawing 6]



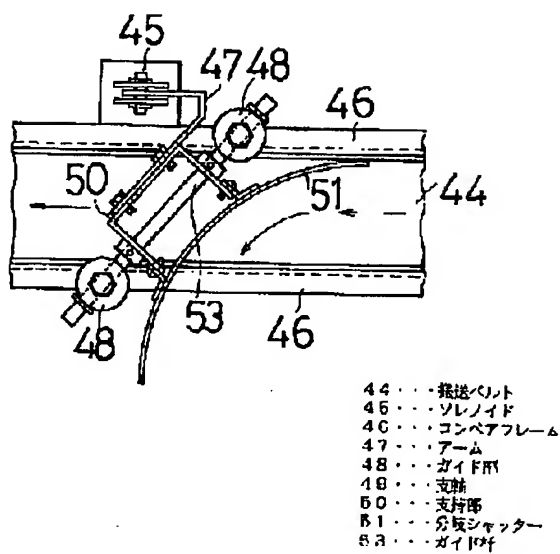
- 1・・・製品チップ
- 2・・・読み取り装置
- 8・・・搬送ベルト
- 19・・・胴部
- 20・・・支持用アーム
- 21・・・バーコードスキャナ

[Drawing 7]

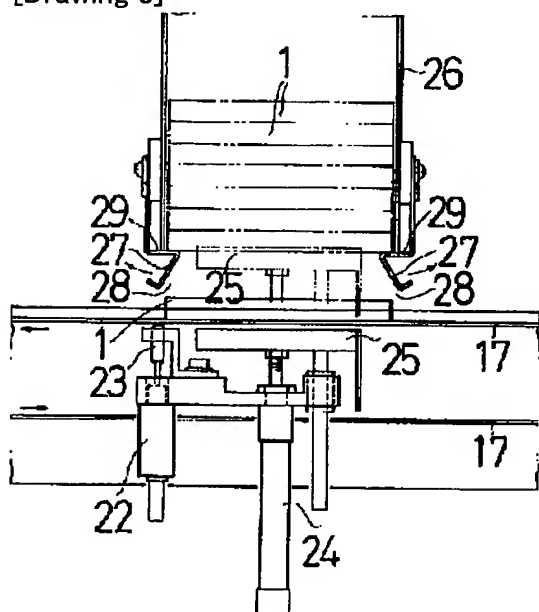


- 1・・・製品チップ
- 8、12、17・・・搬送ベルト
- 9・・・搬送兼用返却装置
- 10、18・・・前方プーリー
- 11・・・後方プーリー
- 16・・・返却シュート

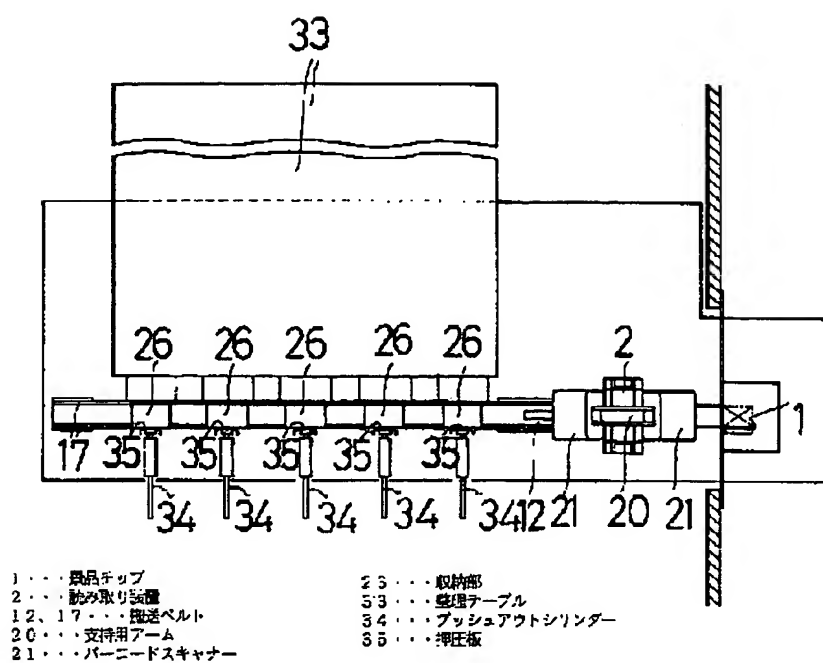
[Drawing 16]



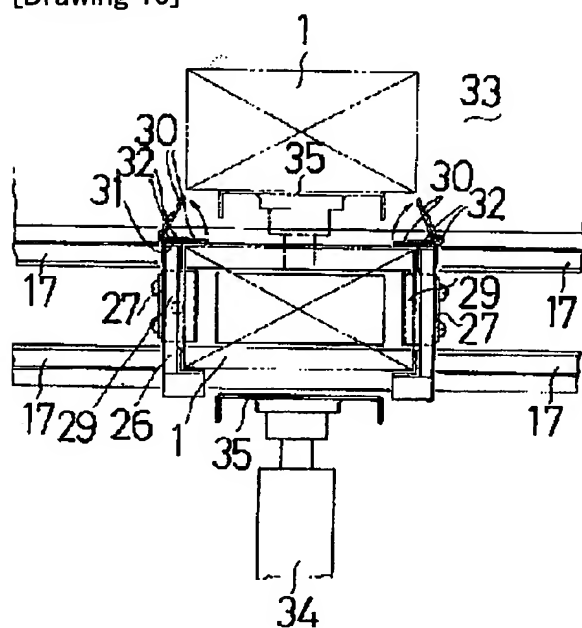
[Drawing 8]



[Drawing 9]

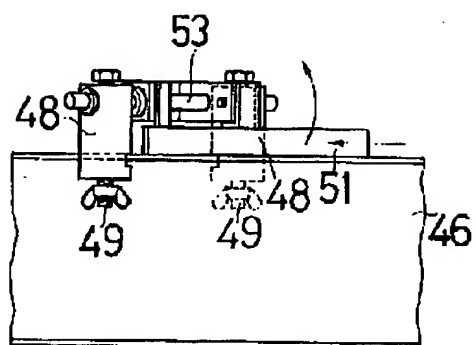


[Drawing 10]

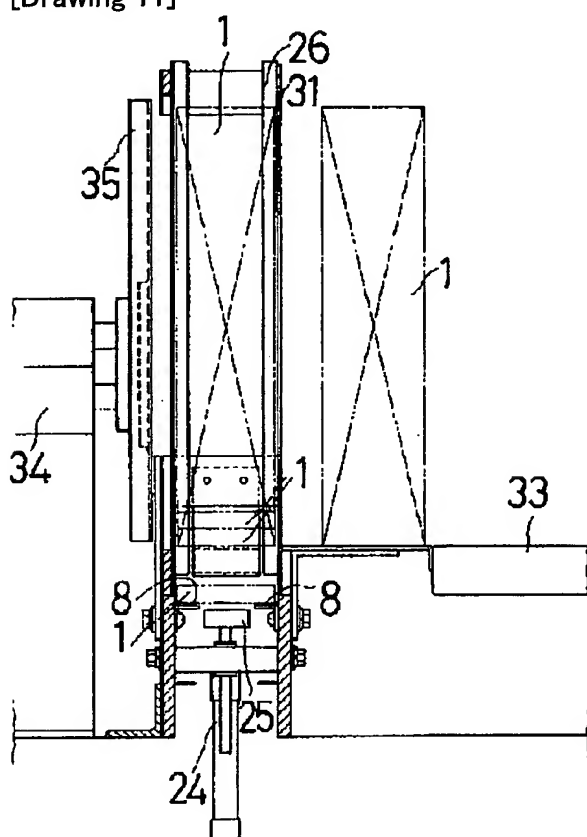


- 1・・・最品チップ
 17・・・搬送ベルト
 26・・・収納部
 27・・・板バネ部
 29・・・搬置部
 30・・・押圧部
 31・・・他部整列部
 32・・・バネ繰舟
 33・・・整理テーブル
 34・・・プッシュアウトシリンダー
 36・・・押圧板

[Drawing 17]

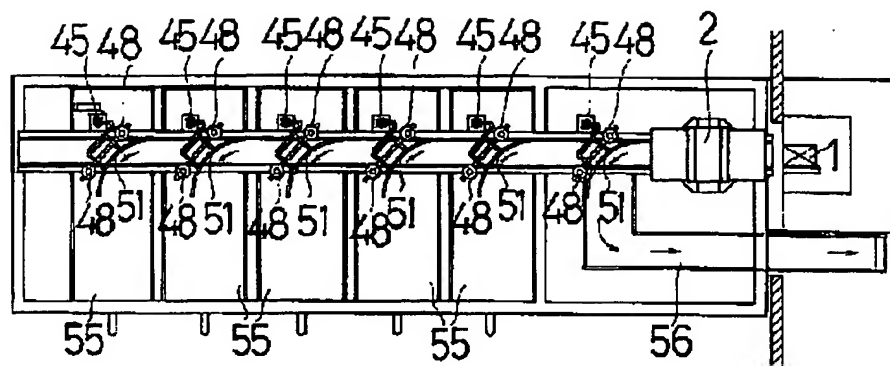


[Drawing 11]



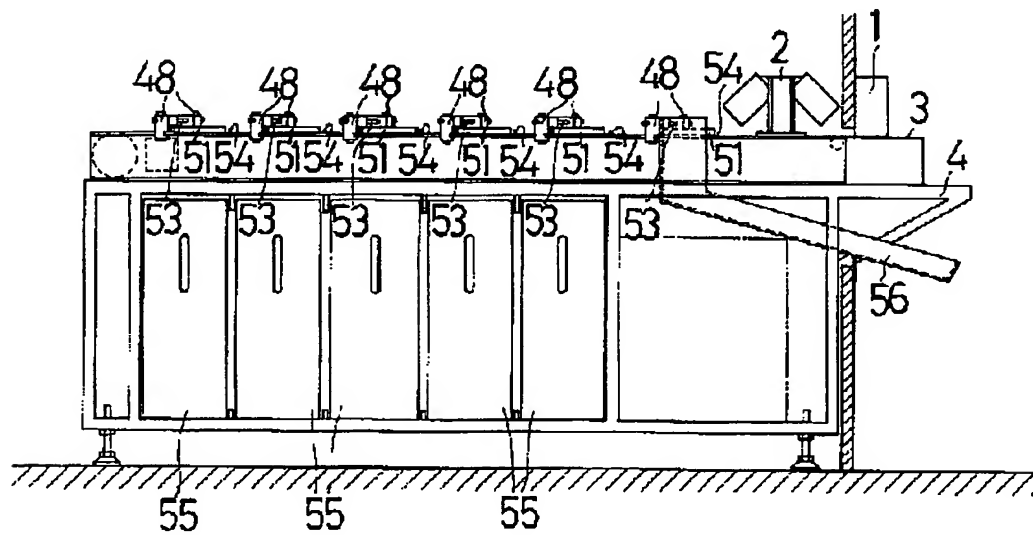
- 1・・・景品チップ
- 8・・・搬送ベルト
- 24・・・ペンシリンダー
- 25・・・押上げ板
- 26・・・収納部
- 31・・・他前壁面部
- 33・・・整理テーブル
- 34・・・プッシュアウトシリンダー
- 35・・・押圧板

[Drawing 15]



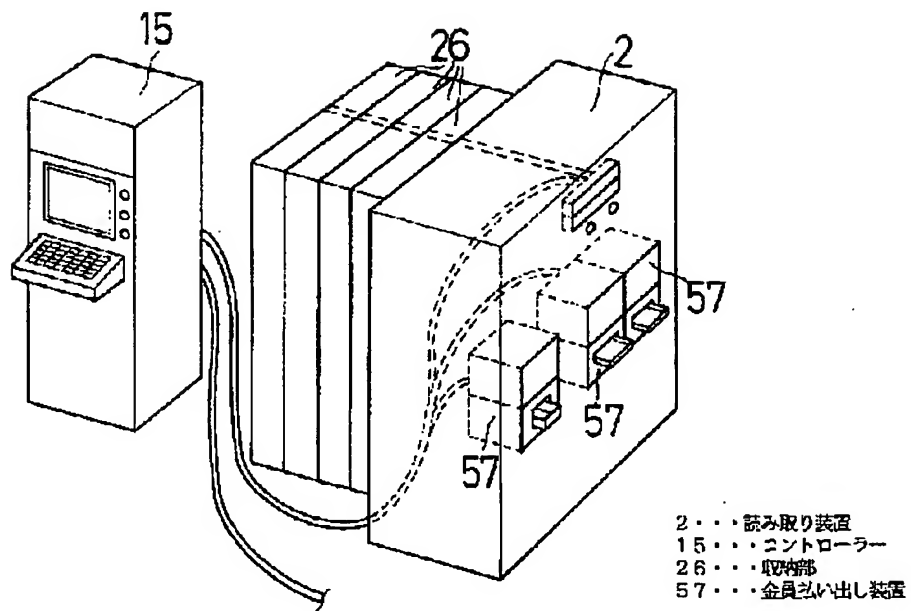
- 1・・・原品チップ
- 2・・・読み取り装置
- 45・・・ソレノイド
- 48・・・ガイド部
- 51・・・分岐シャッター
- 55・・・収納部
- 56・・・返却シュート

[Drawing 14]

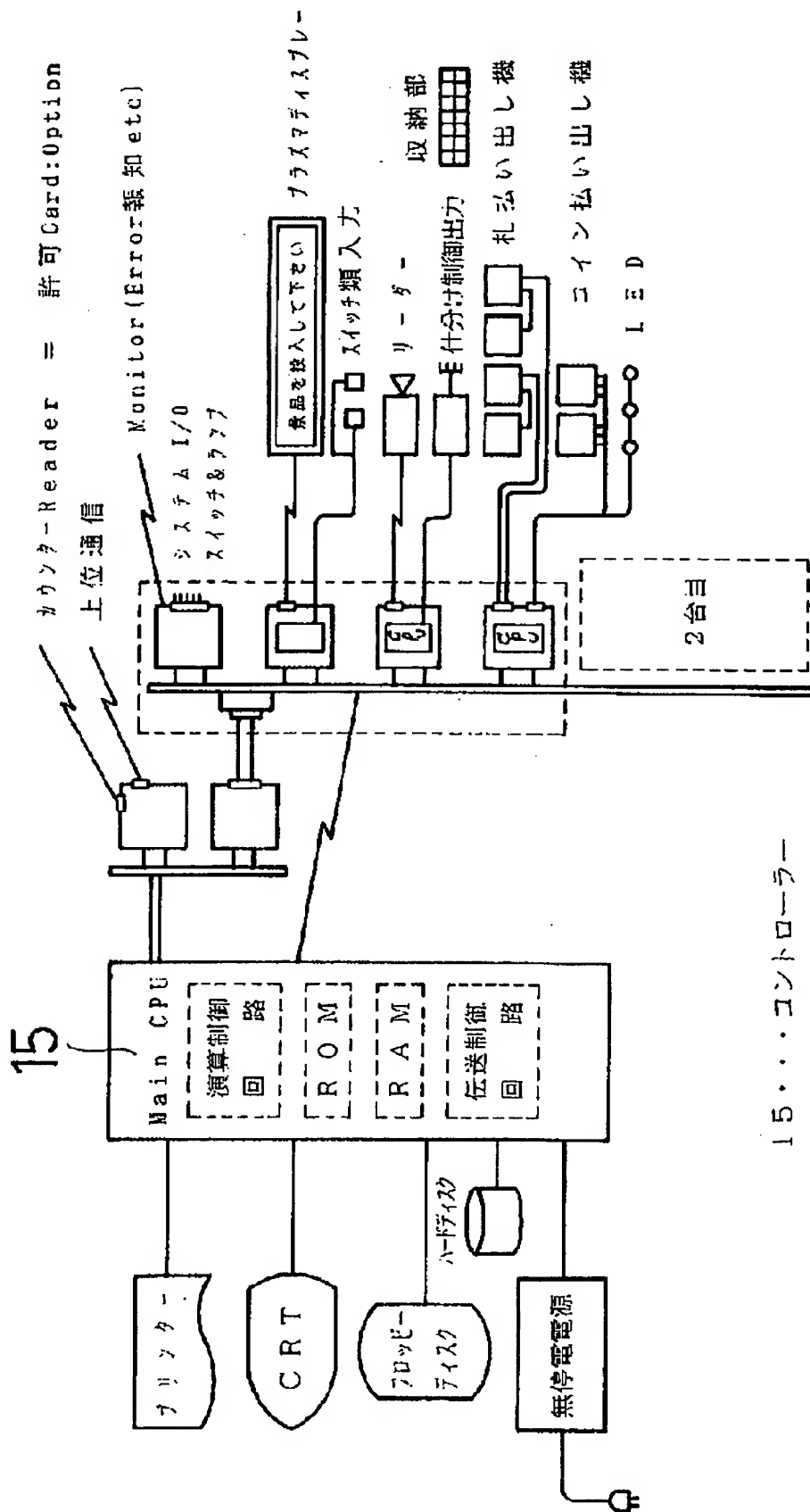


- | | |
|------------|--------------|
| 1・・・原品チップ | 51・・・分岐シャッター |
| 2・・・読み取り装置 | 53・・・ガイド杆 |
| 3・・・載置台 | 54・・・通過センサー |
| 4・・・フレーム | 55・・・収納部 |
| 48・・・ガイド部 | 56・・・返却シュート |

[Drawing 18]



[Drawing 19]



[Translation done.]